

# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range	
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings				
<b>00-0000</b>	<b>Total, All Occs</b>	198,070	224,660	26,590	13.4%	2,660	4,780	7,440		\$30,472	\$8.76	\$17.52
<b>11-0000</b>	<b>Management Occs</b>	7,430	8,630	1,200	16.2%	120	140	260		\$67,984	\$19.97	\$40.76
11-1011	Chief Executives	310	370	60	19.4%	10	10	20	Bachelor's or higher degree, plus work exp.	\$124,115	\$38.56	
11-1021	General and Operations Mgrs	1,980	2,280	300	15.2%	30	40	70	Bachelor's or higher degree, plus work exp.	\$74,800	\$20.34	\$44.75
11-1031	Legislators	420	410	-10	-2.4%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$24,746	\$6.31	\$11.12
11-2011	Advertising/Promotions Mgrs	110	130	20	18.2%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$47,800	\$14.88	\$29.87
11-2021	Marketing Mgrs	130	160	30	23.1%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$81,359	\$27.34	\$46.35
11-2022	Sales Mgrs	310	400	90	29.0%	10	10	20	Bachelor's or higher degree, plus work exp.	\$78,792	\$24.36	\$47.64
11-2031	Public Relations Mgrs	70	90	20	28.6%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$49,295	\$15.74	\$28.86
11-3011	Administrative Services Mgrs	290	330	40	13.8%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$55,733	\$18.21	\$33.94
11-3021	Computer/Information Systems Mgrs	260	350	90	34.6%	10	10	20	Bachelor's or higher degree, plus work exp.	\$76,659	\$27.54	\$45.81
11-3031	Financial Mgrs	440	510	70	15.9%	10	10	20	Bachelor's or higher degree, plus work exp.	\$76,985	\$24.91	\$43.56
11-3040	Human Resources Mgrs	190	220	30	15.8%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$64,832	\$22.13	\$38.70
11-3051	Industrial Production Mgrs	380	420	40	10.5%	<5	10	10	Bachelor's degree	\$65,330	\$22.78	\$40.41
11-3061	Purchasing Mgrs	140	140	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$62,252	\$18.60	\$37.95
11-3071	Transportation/Storage/Distrib Mgrs	140	170	30	21.4%	<5	<5	<5	Work exp. in a related occupation	\$64,603	\$24.29	\$39.37
11-9011	Farm/Ranch/Other Ag Mgrs	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*	*
11-9021	Construction Mgrs	150	180	30	20.0%	<5	<5	<5	Bachelor's degree	\$65,712	\$25.51	\$34.76
11-9031	Educ Admin, Preschool/Child Care	90	120	30	33.3%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$32,494	\$10.36	\$16.72
11-9032	Educ Admin, Elem/Sec School	230	270	40	17.4%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$71,478		
11-9033	Educ Admin, Postsecondary	170	210	40	23.5%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$68,516	\$24.22	\$40.85
11-9039	Educ Admin, All Other	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*	*
11-9041	Engineering Mgrs	170	190	20	11.8%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$77,526	\$31.58	\$42.45
11-9051	Food Service Mgrs	310	350	40	12.9%	<5	10	10	Work exp. in a related occupation	\$38,059	\$12.77	\$21.50
11-9061	Funeral Directors	40	50	10	25.0%	<5	<5	<5	Associate degree	\$65,959	\$24.74	\$38.01
11-9071	Gaming Mgrs	20	20	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$63,157	\$18.41	\$30.21
11-9081	Lodging Mgrs	70	70	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$33,694	\$12.85	\$17.29
11-9111	Medical/Health Services Mgrs	360	470	110	30.6%	10	10	20	Bachelor's or higher degree, plus work exp.	\$65,060	\$24.22	\$37.72
11-9121	Natural Sciences Mgrs	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$73,858	\$24.84	\$44.26
11-9131	Postmasters/Mail Superintendents	50	50	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$53,308	\$22.37	\$26.74
11-9141	Prop/RE/Community Assoc Mgrs	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$41,324	\$12.52	\$31.12
11-9151	Social/Community Service Mgrs	160	180	20	12.5%	<5	<5	<5	Bachelor's degree	\$42,651	\$15.39	\$24.49
11-9199	Mgrs, All Other	350	390	40	11.4%	10	10	20	Work exp. in a related occupation	\$68,574	\$22.56	\$41.03

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
<b>13-0000</b>	<b>Business/Financial Operations Occs</b>	6,230	7,390	1,160	18.6%	120	110	230		\$42,313	\$14.77 - \$25.12
13-1011	Agents/Bus Mgrs Artsts/Prfrmr/Ath	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	* *
13-1021	Purch Agents/Buyers Farm Prod	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$44,428	\$15.06 - \$22.43
13-1022	Whole/Retail Buyers Ex Farm Prod	190	200	10	5.3%	<5	10	10	Bachelor's degree	\$38,951	\$12.96 - \$24.12
13-1023	Purch Agents Ex Whole/Retail/Farm	370	410	40	10.8%	<5	10	10	Bachelor's degree	\$44,373	\$15.54 - \$25.69
13-1031	Claims Adjust/Exam/Investigators	770	880	110	14.3%	10	10	20	Long-term on-the-job training	\$41,139	\$15.80 - \$22.94
13-1032	Insurance Appraisers Auto Damage	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$43,747	\$18.92 - \$22.52
13-1041	Compl Offcrs Ex Ag/Cnst/Hlth/Sfty/Tr	160	190	30	18.8%	<5	<5	<5	Long-term on-the-job training	\$38,188	\$14.02 - \$21.59
13-1051	Cost Estimators	300	370	70	23.3%	10	10	20	Bachelor's degree	\$44,355	\$16.03 - \$25.09
13-1061	Emergency Mgmt Specialists	40	50	10	25.0%	<5	<5	<5	Work exp. in a related occupation	\$43,621	\$17.38 - \$25.46
13-1071	Empl/Recruit/Placement Specialists	170	200	30	17.6%	<5	<5	<5	Bachelor's degree	\$38,140	\$13.82 - \$21.67
13-1072	Compen/Benefits/Job Specialists	130	160	30	23.1%	<5	<5	<5	Bachelor's degree	\$40,122	\$14.95 - \$21.24
13-1073	Training/Development Specialists	240	300	60	25.0%	10	<5	10	Bachelor's degree	\$41,664	\$13.74 - \$24.58
13-1111	Management Analysts	240	290	50	20.8%	10	<5	10	Bachelor's or higher degree, plus work exp.	\$51,488	\$19.85 - \$28.87
13-1121	Meeting and Convention Planners	70	70	0	0.0%	<5	<5	<5	Bachelor's degree	\$24,857	\$10.35 - \$13.46
13-1199	Business Oper Specialists/All Other	1,210	1,490	280	23.1%	30	20	50	Bachelor's degree	\$32,072	\$6.38 - \$23.67
13-2011	Accountants and Auditors	1,100	1,300	200	18.2%	20	20	40	Bachelor's degree	\$46,377	\$16.64 - \$26.71
13-2021	Appraisers/Assessors Real Estate	50	60	10	20.0%	<5	<5	<5	Postsecondary vocational training	\$37,926	\$14.18 - \$23.60
13-2031	Budget Analysts	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$45,688	\$15.10 - \$28.59
13-2041	Credit Analysts	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$47,607	\$18.12 - \$27.33
13-2051	Financial Analysts	80	100	20	25.0%	<5	<5	<5	Bachelor's degree	\$82,723	\$20.70 - \$44.50
13-2052	Personal Financial Advisors	80	110	30	37.5%	<5	<5	<5	Bachelor's degree	\$51,369	\$13.71 - \$34.01
13-2053	Insurance Underwriters	380	420	40	10.5%	10	10	20	Bachelor's degree	\$46,569	\$16.69 - \$26.73
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
13-2072	Loan Officers	290	340	50	17.2%	10	10	20	Bachelor's degree	\$46,488	\$16.59 - \$26.46
13-2081	Tax Exam/Collctr/Revenue Agents	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,339	\$15.91 - \$27.43
13-2082	Tax Preparers	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$30,389	\$10.63 - \$16.65
13-2099	Financial Specialists/All Other	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$47,747	\$17.41 - \$27.88
<b>15-0000</b>	<b>Computer &amp; Mathematical Occs</b>	2,850	3,590	740	26.0%	70	40	110		\$49,136	\$17.73 - \$28.64
15-1011	Computer/Info Scientists/Research	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
15-1021	Computer Programmers	490	490	0	0.0%	<5	10	10	Bachelor's degree	\$55,284	\$20.51 - \$31.31
15-1031	Computer Software Engnrs Apps	260	380	120	46.2%	10	<5	10	Bachelor's degree	\$58,859	\$23.46 - \$33.43

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15-1032	Computer Soft Engrns Systms Soft	120	160	40	33.3%	<5	<5	<5	Bachelor's degree	\$61,642	\$23.44 - \$35.91
15-1041	Computer Support Specialists	470	580	110	23.4%	10	10	20	Associate degree	\$35,429	\$12.78 - \$20.75
15-1051	Computer Systems Analysts	670	860	190	28.4%	20	10	30	Bachelor's degree	\$53,574	\$21.75 - \$29.92
15-1061	Database Administrators	100	130	30	30.0%	<5	<5	<5	Bachelor's degree	\$46,338	\$14.01 - \$28.09
15-1071	Network/Computer Systems Admin	250	330	80	32.0%	10	<5	10	Bachelor's degree	\$51,346	\$19.63 - \$29.25
15-1081	Network Systms/Data Comm Analysts	140	220	80	57.1%	10	<5	10	Bachelor's degree	\$51,448	\$17.78 - \$28.43
15-1099	Computer Specialists/All Other	240	310	70	29.2%	10	<5	10	Associate degree	\$46,232	\$18.75 - \$26.36
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	* *
15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Master's degree	*	* *
15-2031	Operations Research Analysts	60	60	0	0.0%	<5	<5	<5	Master's degree	\$57,239	\$23.98 - \$32.68
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree	*	* *
15-2099	Math Science Occs/All Other	*	*	*	*	<5	<5	<5	Master's degree	*	* *
<b>17-0000</b>	<b>Architecture/Engineering Occs</b>	<b>2,500</b>	<b>2,640</b>	<b>140</b>	<b>5.6%</b>	<b>10</b>	<b>60</b>	<b>70</b>		<b>\$47,493</b>	<b>\$16.71 - \$27.74</b>
17-1011	Architects/Ex Landscape/Naval	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$53,519	\$20.52 - \$31.45
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-1021	Cartographers/Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-1022	Surveyors	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,052	\$17.92 - \$21.28
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-2051	Civil Engineers	160	170	10	6.3%	<5	<5	<5	Bachelor's degree	\$54,160	\$22.59 - \$29.49
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-2071	Electrical Engineers	160	150	-10	-6.3%	<5	<5	<5	Bachelor's degree	\$60,024	\$23.08 - \$34.32
17-2072	Electronics Engineers/Ex Computer	100	100	0	0.0%	<5	<5	<5	Bachelor's degree	\$52,641	\$20.47 - \$29.41
17-2081	Environmental Engineers	60	80	20	33.3%	<5	<5	<5	Bachelor's degree	\$54,333	\$19.91 - \$32.18
17-2111	Health/Safety Engineers/Ex Mining	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$56,610	\$20.34 - \$33.63
17-2112	Industrial Engineers	260	270	10	3.8%	<5	10	10	Bachelor's degree	\$57,026	\$20.89 - \$32.08
17-2131	Materials Engineers	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$53,952	\$21.68 - \$29.57
17-2141	Mechanical Engineers	380	390	10	2.6%	<5	10	10	Bachelor's degree	\$58,715	\$20.52 - \$34.65
17-2151	Mining/Geological Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
17-2199	Engineers/All Other	130	140	10	7.7%	<5	<5	<5	Bachelor's degree	\$62,019	\$23.16 - \$36.66

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17-3011	Architectural/Civil Drafters	130	130	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$35,492	\$14.06 - \$19.58
17-3012	Electrical/Electronics Drafters	50	50	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$39,808	\$14.61 - \$21.29
17-3013	Mechanical Drafters	170	180	10	5.9%	<5	10	10	Postsecondary vocational training	\$35,011	\$13.52 - \$19.86
17-3021	Aerospace Engrng/Opers Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* *
17-3022	Civil Engineering Techs	90	90	0	0.0%	<5	<5	<5	Associate degree	\$38,060	\$15.24 - \$21.14
17-3023	Electrical/Electronic Engrng Techs	140	150	10	7.1%	<5	<5	<5	Associate degree	\$40,220	\$16.43 - \$21.74
17-3024	Electro-Mechanical Techs	30	40	10	33.3%	<5	<5	<5	Associate degree	\$39,587	\$16.18 - \$21.63
17-3025	Environmental Engineering Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* *
17-3026	Industrial Engineering Techs	70	80	10	14.3%	<5	<5	<5	Associate degree	\$48,306	\$18.30 - \$27.11
17-3027	Mechanical Engineering Techs	120	120	0	0.0%	<5	<5	<5	Associate degree	\$34,952	\$14.75 - \$19.91
17-3031	Surveying/Mapping Techs	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,799	\$9.40 - \$14.60
17-3099 <sup>(7)</sup>	Drafters/Engrng/Map Techs AO	90	100	10	11.1%	<5	<5	<5	Associate degree	\$40,514	\$15.70 - \$23.73
<b>19-0000</b>	<b>Life, Physical, and Social Sci Occs</b>	<b>1,530</b>	<b>1,720</b>	<b>190</b>	<b>12.4%</b>	<b>20</b>	<b>40</b>	<b>60</b>		<b>\$43,253</b>	<b>\$14.77 - \$25.23</b>
19-1010	Agricultural and Food Scientists	40	50	10	25.0%	<5	<5	<5	Bachelor's degree	\$52,363	\$15.63 - \$29.54
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
19-1023	Zoologists and Wildlife Biologists	10	20	10	100.0%	<5	<5	<5	Doctoral degree	\$48,232	\$18.03 - \$26.50
19-1031	Conservation Scientists	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$48,861	\$19.90 - \$26.73
19-1032	Foresters	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$36,826	\$10.31 - \$22.51
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-1042	Med Scientists Ex Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
19-1099	Life Scientists/All Other	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$48,314	\$16.87 - \$30.44
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
19-2031	Chemists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
19-2041	Environ Sci/Specialists/Incl Health	60	70	10	16.7%	<5	<5	<5	Master's degree	\$45,609	\$14.77 - \$25.27
19-2042	Geosci Ex Hydrolog/Geograph	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-2099	Physical Scientists/All Other	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$61,163	\$20.52 - \$30.53
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-3021	Market Research Analysts	210	260	50	23.8%	10	10	20	Master's degree	\$43,488	\$15.34 - \$23.69

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19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-3031	Clinical/Counseling/School Psych	160	200	40	25.0%	<5	<5	<5	Doctoral degree	\$57,558	\$21.20 - \$31.94
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-3051	Urban and Regional Planners	40	50	10	25.0%	<5	<5	<5	Master's degree	\$46,168	\$17.69 - \$25.53
19-3091	Anthropologists/Archeologists	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	* *
19-3099	Social Scientists/Related Wrkrs AO	110	130	20	18.2%	<5	<5	<5	Master's degree	\$58,557	\$24.60 - \$32.49
19-4011	Agricultural and Food Science Techs	50	50	0	0.0%	<5	<5	<5	Associate degree	\$34,163	\$10.26 - \$22.79
19-4021	Biological Techs	50	60	10	20.0%	<5	<5	<5	Associate degree	\$33,491	\$12.65 - \$19.55
19-4031	Chemical Techs	70	80	10	14.3%	<5	<5	<5	Associate degree	\$30,780	\$11.16 - \$18.53
19-4051 <sup>(8)</sup>	Nuclear Techs	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Associate degree	*	* *
19-4091	Envir Sci/Protect Techs Incl Health	20	30	10	50.0%	<5	<5	<5	Associate degree	\$31,835	\$10.69 - \$18.62
19-4093	Forest/Conservation Techs	20	20	0	0.0%	<5	<5	<5	Associate degree	\$32,237	\$12.43 - \$18.46
19-4099 <sup>(8)</sup>	Life/Physical/Social Sci Techs AO	100	120	20	20.0%	<5	<5	<5	Associate degree	\$38,062	\$15.01 - \$21.67
<b>21-0000</b>	<b>Community/Social Services Occs</b>	<b>3,550</b>	<b>4,160</b>	<b>610</b>	<b>17.2%</b>	<b>60</b>	<b>70</b>	<b>130</b>		<b>\$33,060</b>	<b>\$11.10 - \$19.72</b>
21-1011	Sub Abuse/Behavior Disordr Cnslrs	120	150	30	25.0%	<5	<5	<5	Master's degree	\$33,611	\$14.23 - \$18.50
21-1012	Ed/Vocational/School Counselors	200	220	20	10.0%	<5	10	10	Master's degree	\$43,447	\$16.06 - \$25.97
21-1013	Marriage/Family Therapists	50	50	0	0.0%	<5	<5	<5	Master's degree	\$49,358	\$19.13 - \$29.59
21-1014	Mental Health Counselors	100	120	20	20.0%	<5	<5	<5	Master's degree	\$43,811	\$15.85 - \$26.14
21-1015	Rehabilitation Counselors	130	170	40	30.8%	<5	<5	<5	Master's degree	\$28,049	\$10.90 - \$14.70
21-1021	Child/Family/School Social Wrkrs	390	450	60	15.4%	10	10	20	Master's degree	\$36,175	\$13.15 - \$20.52
21-1022	Medical/Public Health Social Wrkrs	160	200	40	25.0%	<5	<5	<5	Master's degree	\$38,202	\$15.54 - \$21.20
21-1023	Mental Hlth/Sub Abuse Social Wrkrs	200	270	70	35.0%	10	<5	10	Master's degree	\$38,685	\$13.96 - \$21.82
21-1091	Health Educators	50	50	0	0.0%	<5	<5	<5	Master's degree	\$43,225	\$16.16 - \$26.20
21-1092	Prob Offcrs/Correctnl Treat Spclsts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
21-1093	Social/Human Service Assts	480	650	170	35.4%	20	10	30	Moderate-term on-the-job training	\$22,386	\$8.35 - \$13.01
21-2011	Clergy	950	980	30	3.2%	<5	20	20	Master's degree	\$36,973	\$13.71 - \$21.64
21-2021	Directors/Religious Activities/Ed	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
21-9099 <sup>(7)</sup>	Counsel/Social/Religious Wrkrs AO	370	460	90	24.3%	10	10	20	Bachelor's degree	\$32,150	\$11.54 - \$17.50
<b>23-0000</b>	<b>Legal Occs</b>	<b>780</b>	<b>920</b>	<b>140</b>	<b>17.9%</b>	<b>10</b>	<b>10</b>	<b>20</b>		<b>\$57,058</b>	<b>\$13.13 - \$34.12</b>
23-1011	Lawyers	420	530	110	26.2%	10	10	20	First professional degree	\$96,528	\$27.87 - \$58.89

# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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23-1021	Admin Law Jdgs/Adjudic/Hrng Offcr	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	* *
23-1022	Arbitrators/Mediators/Conciliators	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	* *
23-1023	Jdgs/Magistrate Jdgs/Magistrates	10	20	10	100.0%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$22,245	\$6.30 - \$13.11
23-2011	Paralegals and Legal Assistants	150	180	30	20.0%	<5	<5	<5	Associate degree	\$28,479	\$11.40 - \$16.01
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
23-2092	Law Clerks	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$49,109	\$16.32 - \$27.39
23-2093	Title Exam/Abstractors/Searchers	100	100	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$36,476	\$12.68 - \$23.37
23-9099 <sup>(7)</sup>	Legal & Related Wrkrs, All Other	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$36,791	\$14.41 - \$22.59
<b>25-0000</b>	<b>Ed, Training, &amp; Library Occs</b>	<b>9,190</b>	<b>10,930</b>	<b>1,740</b>	<b>18.9%</b>	<b>170</b>	<b>190</b>	<b>360</b>		<b>\$38,310</b>	<b>\$11.36 - \$24.34</b>
25-1011	Business Teachers, Postsecondary	80	110	30	37.5%	<5	<5	<5	Doctoral degree	\$55,449	
25-1021	Computer Science Teachers Ps	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$47,036	
25-1022	Mathematical Science Teachers Ps	50	60	10	20.0%	<5	<5	<5	Doctoral degree	\$49,872	
25-1031	Architecture Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1032	Engineering Teachers/Postsec	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$73,234	
25-1041	Ag Sciences Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1042	Biological Science Teachers Ps	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$51,399	
25-1043	Forestry/Cons Sci Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1051	Atmos/Erth/Marin/Space Sci Tch Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1052	Chemistry Teachers/Postsec	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$54,392	
25-1053	Environmental Sci TeachersPs	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1054	Physics Teachers/Postsec	10	20	10	100.0%	<5	<5	<5	Doctoral degree	\$43,947	
25-1061	Anthropology/Archeology Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1062	Area/Ethnic/Cultur Studies Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1063	Economics Teachers/Postsec	10	20	10	100.0%	<5	<5	<5	Doctoral degree	\$56,645	
25-1064	Geography Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1065	Political Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1066	Psychology Teachers/Postsec	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$56,898	
25-1067	Sociology Teachers/Postsec	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$47,408	
25-1071	Health Specialties Teachers Ps	*	*	*	*	10	10	20	Master's degree	*	* *
25-1072	Nursing Instructors/Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1081	Ed Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1082	Library Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1111	Crim Jus/Law Enforce Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *

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25-1112	Law Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1113	Social Work Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1121	Art/Drama/Music Teachers/Postsec	80	110	30	37.5%	<5	<5	<5	Master's degree	\$44,584	
25-1122	Communications Teachers Ps	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$51,791	
25-1123	English Language/Lit Teachers/Ps	50	70	20	40.0%	<5	<5	<5	Doctoral degree	\$46,959	
25-1124	Foreign Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1125	History Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1126	Philosophy/Religion Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1191	Graduate Teaching Assts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
25-1192	Home Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* *
25-1193	Rec/Fitness Studies Teachers/Ps	*	*	*	*	<5	<5	<5	Master's degree	*	* *
25-1194	Vocational Ed Teachers/Postsec	220	290	70	31.8%	10	10	20	Work exp. in a related occupation	\$57,153	\$23.80 - \$31.80
25-1199	Postsec Teachers/All Other	*	*	*	*	10	<5	10	Doctoral degree	*	* *
25-2011	Preschool Teachers/Ex Special Ed	600	770	170	28.3%	20	10	30	Bachelor's degree	\$18,546	\$7.85 - \$10.15
25-2012	Kindergarten Tchrs Ex Special Ed	200	240	40	20.0%	10	<5	10	Bachelor's degree	\$38,984	
25-2021	Elemen Schl Tchrs Ex Special Ed	1,490	1,640	150	10.1%	20	30	50	Bachelor's degree	\$42,843	
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	880	920	40	4.5%	<5	20	20	Bachelor's degree	\$46,347	
25-2023	Vocational Ed Tchrs/Middle School	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$46,506	
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,220	1,380	160	13.1%	20	30	50	Bachelor's degree	\$40,536	
25-2032	Voc Ed Teachers/Secondary Schl	120	120	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,896	
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	200	250	50	25.0%	10	10	20	Bachelor's degree	\$46,030	
25-2042	Special Ed Teachers/Middle School	100	120	20	20.0%	<5	<5	<5	Bachelor's degree	\$42,184	
25-2043	Special Ed Teachers/Sec School	120	160	40	33.3%	<5	<5	<5	Bachelor's degree	\$43,766	
25-3011	Adult Liter/Rem Ed/GED Tchrs/Inst	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,763	\$15.52 - \$22.88
25-3021	Self-Enrichment Ed Teachers	260	340	80	30.8%	10	<5	10	Work exp. in a related occupation	\$31,236	\$10.14 - \$19.43
25-3999 <sup>(7)</sup>	Tchrs/Prim/Sec/Adult/All Other	480	660	180	37.5%	20	10	30	Bachelor's degree	\$27,123	
25-4010	Archivists/Curators/Museum Techs	*	*	*	*	<5	<5	<5	Master's degree	*	* *
25-4021	Librarians	210	220	10	4.8%	<5	10	10	Master's degree	\$38,066	\$12.03 - \$25.09
25-4031	Library Techs	160	180	20	12.5%	<5	10	10	Short-term on-the-job training	\$23,353	\$8.44 - \$13.94
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
25-9021	Farm/Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
25-9031	Instructional Coordinators	80	90	10	12.5%	<5	<5	<5	Master's degree	\$58,127	\$21.13 - \$35.45
25-9041	Teacher Assts	1,350	1,570	220	16.3%	20	30	50	Associate degree	\$21,354	

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25-9199 <sup>(7)</sup>	Libr/Mus/Trng/Other Ed Wrks/AO	140	170	30	21.4%	<5	<5	<5	Bachelor's degree	\$30,078	\$6.95 - \$19.87
<b>27-0000</b>	<b>Arts/Design/Entertainment/Sports/Media</b>	<b>2,330</b>	<b>2,640</b>	<b>310</b>	<b>13.3%</b>	<b>30</b>	<b>40</b>	<b>70</b>		<b>\$27,494</b>	<b>\$7.85 - \$16.13</b>
27-1011	Art Directors	20	30	10	50.0%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$49,126	\$17.52 - \$29.63
27-1013	Fine Artists/Incl Pntrs/Sculptrs/Ilstrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-1014	Multi-Media Artists/Animators	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$39,041	\$12.56 - \$24.99
27-1021	Commercial/Industrial Designers	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$34,708	\$11.88 - \$16.28
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
27-1023	Floral Designers	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$19,079	\$7.83 - \$10.30
27-1024	Graphic Designers	230	270	40	17.4%	10	<5	10	Bachelor's degree	\$34,628	\$12.51 - \$20.07
27-1025	Interior Designers	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$26,480	\$10.31 - \$14.12
27-1026	Merch Display/Window Trimmers	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$27,301	\$9.08 - \$16.49
27-1027	Set/Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
27-1099 <sup>(7)</sup>	Art & Design Wrks, All Other	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$21,847	\$9.28 - \$12.57
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-2012	Producers/Directors	50	50	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$36,490	
27-2021	Athletes/Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-2022	Coaches/Scouts	230	260	30	13.0%	<5	<5	<5	Long-term on-the-job training	\$17,552	
27-2023	Umpires/Refs/Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* *
27-2041	Music Directors/Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	* *
27-2042	Musicians/Singers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-2099	Entnrns/Perfrmrs/Sports/Rel Wrk/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-3010	Announcers	130	100	-30	-23.1%	<5	<5	<5	Long-term on-the-job training	\$23,104	\$7.15 - \$13.48
27-3020	News Analysts/Reprtrs/Correspond	80	80	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$27,885	\$7.79 - \$13.45
27-3031	Public Relations Specialists	280	350	70	25.0%	10	<5	10	Bachelor's degree	\$38,036	\$14.08 - \$22.22
27-3041	Editors	120	130	10	8.3%	<5	<5	<5	Bachelor's degree	\$29,776	\$11.67 - \$16.48
27-3042	Technical Writers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
27-3043	Writers/Authors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
27-3091	Interpreters/Translators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-3099	Media/Communication Wrks/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
27-4011	Audio/Video Equipment Techs	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$25,164	\$7.58 - \$11.84
27-4012	Broadcast Techs	40	40	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$27,176	\$7.71 - \$19.16



# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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27-4014	Sound Engineering Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
27-4021	Photographers	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$22,085	\$8.34 - \$12.17
27-4031	Camera Oprs/TV/Video/Motion Pict	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$15,544	\$6.09 - \$7.40
27-4032	Film/Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
27-4099	Media/Comm Equipmnt Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
<b>29-0000</b>	<b>Healthcare Practitioners &amp; Techncl Occs</b>	10,550	13,740	3,190	30.2%	320	200	520		\$52,681	\$14.82 - \$26.41
29-1011	Chiropractors	*	*	*	*	<5	<5	<5	First professional degree	*	* *
29-1020	Dentists	200	210	10	5.0%	<5	<5	<5	First professional degree	\$87,206	\$16.27 - \$50.51
29-1031	Dietitians/Nutritionists	80	100	20	25.0%	<5	<5	<5	Bachelor's degree	\$43,099	\$18.44 - \$22.85
29-1041	Optometrists	*	*	*	*	<5	<5	<5	First professional degree	*	* *
29-1051	Pharmacists	250	330	80	32.0%	10	10	20	First professional degree	\$79,041	\$35.89 - \$43.26
29-1061	Anesthesiologists	20	30	10	50.0%	<5	<5	<5	First professional degree	\$193,411	
29-1062	Family/General Practitioners	200	260	60	30.0%	10	<5	10	First professional degree	\$154,160	\$59.51
29-1063	Internists, General	*	*	*	*	10	<5	10	First professional degree	*	* *
29-1064	Obstetricians/Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	* *
29-1065	Pediatricians, General	20	30	10	50.0%	<5	<5	<5	First professional degree	\$158,249	\$36.25
29-1066	Psychiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	* *
29-1067	Surgeons	60	80	20	33.3%	<5	<5	<5	First professional degree	\$191,700	
29-1069	Physicians/Surgeons, All Other	130	160	30	23.1%	<5	<5	<5	First professional degree	\$205,492	
29-1071	Physician Assistants	100	160	60	60.0%	10	<5	10	Bachelor's degree	\$66,886	\$24.37 - \$40.29
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	* *
29-1111	Registered Nurses	3,870	5,070	1,200	31.0%	120	80	200	Bachelor's or Associate degree <sup>(9)</sup>	\$50,573	\$19.75 - \$26.84
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Master's degree	*	* *
29-1122	Occupational Therapists	210	290	80	38.1%	10	<5	10	Bachelor's degree	\$50,352	\$20.96 - \$26.83
29-1123	Physical Therapists	240	330	90	37.5%	10	<5	10	Master's degree	\$59,824	\$23.96 - \$33.00
29-1124	Radiation Therapists	30	50	20	66.7%	<5	<5	<5	Associate degree	\$40,419	\$15.82 - \$22.71
29-1125	Recreational Therapists	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$34,523	\$13.26 - \$20.05
29-1126	Respiratory Therapists	120	170	50	41.7%	10	<5	10	Associate degree	\$40,621	\$16.63 - \$21.81
29-1127	Speech-Language Pathologists	160	210	50	31.3%	<5	<5	<5	Master's degree	\$51,137	\$20.20 - \$29.72
29-1131	Veterinarians	70	90	20	28.6%	<5	<5	<5	First professional degree	\$61,546	\$21.41 - \$31.80
29-1199	Hlth Diagnsng/Treatng Practtnrs/AO	*	*	*	*	<5	<5	<5	First professional degree	*	* *
29-2011	Medical/Clinical Lab Technologists	240	290	50	20.8%	10	10	20	Bachelor's degree	\$43,774	\$17.49 - \$22.74
29-2012	Medical/Clinical Lab Techs	150	190	40	26.7%	<5	<5	<5	Associate degree	\$32,176	\$12.72 - \$17.72

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29-2021	Dental Hygienists	280	400	120	42.9%	10	<5	10	Associate degree	\$48,714	\$21.35 - \$26.33
29-2031	Cardiovascular Technlgst/Techncns	*	*	*	*	<5	<5	<5	Associate degree	*	* *
29-2032	Diagnostic Medical Sonographers	70	80	10	14.3%	<5	<5	<5	Associate degree	\$51,885	\$21.25 - \$29.47
29-2033	Nuclear Medicine Technologists	30	30	0	0.0%	<5	<5	<5	Associate degree	\$48,930	\$20.90 - \$26.20
29-2034	Radiologic Technologists/Techs	300	390	90	30.0%	10	10	20	Associate degree	\$37,943	\$15.14 - \$21.08
29-2041	Emergency Med Techs/Paramedics	360	450	90	25.0%	10	<5	10	Postsecondary vocational training	\$25,986	\$9.43 - \$13.72
29-2051	Dietetic Techs	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$27,270	\$9.74 - \$15.91
29-2052	Pharmacy Techs	240	320	80	33.3%	10	<5	10	Moderate-term on-the-job training	\$22,255	\$8.99 - \$12.44
29-2053	Psychiatric Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
29-2054	Respiratory Therapy Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
29-2055	Surgical Technologists	200	260	60	30.0%	10	<5	10	Postsecondary vocational training	\$32,408	\$13.40 - \$17.57
29-2056	Veterinary Technologists/Techs	70	100	30	42.9%	<5	<5	<5	Associate degree	\$22,856	\$9.80 - \$12.78
29-2061	Licensed Pract/Vocational Nurses	1,280	1,580	300	23.4%	30	30	60	Postsecondary vocational training	\$31,388	\$13.41 - \$16.82
29-2071	Medical Records/Health Info Techs	520	760	240	46.2%	20	10	30	Associate degree	\$24,187	\$9.60 - \$13.55
29-2081	Opticians/Dispensing	120	140	20	16.7%	<5	<5	<5	Long-term on-the-job training	\$24,527	\$9.98 - \$13.40
29-2091	Orthotists/Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
29-9010	Occ Health/Safety Spec/Techs	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$42,264	\$16.58 - \$24.74
29-9091	Athletic Trainers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
29-9199 <sup>(7)</sup>	Health Prof/Tech, All Other	*	*	*	*	10	<5	10	Associate degree	*	* *
<b>31-0000</b>	<b>Healthcare Support Occs</b>	<b>6,920</b>	<b>9,150</b>	<b>2,230</b>	<b>32.2%</b>	<b>220</b>	<b>110</b>	<b>330</b>		<b>\$21,313</b>	<b>\$8.62 - \$11.42</b>
31-1011	Home Health Aides	640	930	290	45.3%	30	10	40	Short-term on-the-job training	\$18,659	\$7.98 - \$10.04
31-1012	Nursing Aides/Orderlies/Attendants	3,450	4,330	880	25.5%	90	50	140	Short-term on-the-job training	\$20,366	\$8.56 - \$11.00
31-1013	Psychiatric Aides	340	460	120	35.3%	10	10	20	Short-term on-the-job training	\$21,157	\$7.89 - \$12.61
31-2011	Occupational Therapist Assts	50	70	20	40.0%	<5	<5	<5	Associate degree	\$33,936	\$14.98 - \$17.77
31-2012	Occupational Therapist Aides	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$23,898	\$9.67 - \$13.35
31-2021	Physical Therapist Assts	100	140	40	40.0%	<5	<5	<5	Associate degree	\$31,399	\$12.42 - \$17.74
31-2022	Physical Therapist Aides	60	90	30	50.0%	<5	<5	<5	Short-term on-the-job training	\$21,945	\$9.32 - \$11.91
31-9011	Massage Therapists	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$32,336	\$14.35 - \$17.01
31-9091	Dental Assts	450	640	190	42.2%	20	10	30	Moderate-term on-the-job training	\$26,465	\$10.29 - \$13.36
31-9092	Medical Assts	620	940	320	51.6%	30	10	40	Moderate-term on-the-job training	\$24,333	\$9.99 - \$13.26
31-9093	Medical Equipment Preparers	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$23,358	\$9.56 - \$12.48
31-9094	Medical Transcriptionists	260	320	60	23.1%	10	10	20	Postsecondary vocational training	\$27,175	\$11.58 - \$14.51
31-9095	Pharmacy Aides	90	100	10	11.1%	<5	<5	<5	Short-term on-the-job training	\$20,806	\$8.55 - \$11.61

### Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
31-9096	Vet Assts/Lab Animal Caretakers	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$16,520	\$7.25 - \$8.81
31-9099	Healthcare Support Wrksr/All Other	700	920	220	31.4%	20	10	30	Short-term on-the-job training	\$20,360	\$8.40 - \$10.99
<b>33-0000</b>	<b>Protective Service Occs</b>	3,130	3,530	400	12.8%	40	90	130		\$31,105	\$9.87 - \$19.45
33-1011	First-Line Sup/Mgr of Corr Offrs	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$50,980	\$20.52 - \$28.13
33-1012	First-Line Sup/Mgr of Police/Detect	100	110	10	10.0%	<5	<5	<5	Work exp. in a related occupation	\$51,212	\$21.96 - \$30.01
33-1021	F-L Sup/Mgr Fire Fght/Prevent Wrk	80	100	20	25.0%	<5	<5	<5	Work exp. in a related occupation	\$49,665	\$20.02 - \$29.89
33-1099	F-L Sups/Mgrs/Protect Srvc Wrksr/AO	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$49,220	\$19.53 - \$26.89
33-2011	Fire Fighters	530	610	80	15.1%	10	20	30	Long-term on-the-job training	\$26,878	\$9.96 - \$15.47
33-2020 <sup>(8)</sup>	Fire Inspectors	20	20	0	0.0%	<5	<5	<5			
33-2021 <sup>(8)</sup>	Fire Inspect/Invest	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation	*	* *
33-2022 <sup>(8)</sup>	Forest Fire Inspect/Prevent Spec	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation	*	* *
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
33-3012	Correctional Officers/Jailers	370	420	50	13.5%	10	10	20	Moderate-term on-the-job training	\$34,572	\$14.20 - \$18.84
33-3021	Detectives/Criminal Investigators	120	130	10	8.3%	<5	<5	<5	Work exp. in a related occupation	\$44,512	\$18.59 - \$23.96
33-3031	Fish/Game Wardens	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
33-3041	Parking Enforcement Wrksr	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$20,390	\$6.93 - \$13.08
33-3051	Police/Sheriff's Patrol Officers	860	1,010	150	17.4%	20	20	40	Long-term on-the-job training	\$36,805	\$15.29 - \$21.12
33-9011	Animal Control Wrksr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
33-9021	Private Detectives/Investigators	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$24,545	\$10.10 - \$13.33
33-9031	Gaming Surveillance/Investogators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
33-9032	Security Guards	490	530	40	8.2%	<5	10	10	Short-term on-the-job training	\$23,820	\$8.25 - \$13.49
33-9091	Crossing Guards	130	140	10	7.7%	<5	<5	<5	Short-term on-the-job training	\$20,535	\$8.26 - \$10.56
33-9099	Protective Service Wrksr/All Other	260	290	30	11.5%	<5	20	20	Short-term on-the-job training	\$18,074	\$6.54 - \$10.54
<b>35-0000</b>	<b>Food Preparation &amp; Serving Occs</b>	16,290	18,370	2,080	12.8%	210	650	860		\$16,069	\$6.26 - \$8.74
35-1011	Chefs/Head Cooks	230	260	30	13.0%	<5	10	10	Postsecondary vocational training	\$25,861	\$9.41 - \$13.18
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrksr	910	1,010	100	11.0%	10	20	30	Work exp. in a related occupation	\$23,949	\$9.01 - \$13.31
35-2011	Cooks/Fast Food	820	850	30	3.7%	<5	30	30	Short-term on-the-job training	\$15,949	\$6.65 - \$8.42
35-2012	Cooks/Institution/Cafeteria	600	590	-10	-1.7%	<5	20	20	Long-term on-the-job training	\$19,752	\$8.22 - \$10.68
35-2013	Cooks/Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
35-2014	Cooks/Restaurant	880	1,000	120	13.6%	10	30	40	Long-term on-the-job training	\$16,977	\$7.25 - \$9.06
35-2015	Cooks/Short Order	510	550	40	7.8%	<5	20	20	Short-term on-the-job training	\$14,846	\$6.02 - \$8.14
35-2021	Food Prep Wrksr	1,530	1,890	360	23.5%	40	50	90	Short-term on-the-job training	\$16,156	\$6.68 - \$8.90
35-3011	Bartenders	1,600	1,690	90	5.6%	10	60	70	Short-term on-the-job training	\$15,745	\$6.32 - \$8.83

### Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,130	3,760	630	20.1%	60	140	200	Short-term on-the-job training	\$15,002	\$6.16 - \$8.12
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	500	570	70	14.0%	10	30	40	Short-term on-the-job training	\$15,224	\$6.21 - \$8.27
35-3031	Waiters/Waitresses	3,260	3,700	440	13.5%	50	170	220	Short-term on-the-job training	\$13,731	\$5.85 - \$6.86
35-3041	Food Servers/Nonrestaurant	280	300	20	7.1%	<5	10	10	Short-term on-the-job training	\$18,385	\$7.79 - \$9.69
35-9011	Dining Rm/Cafeter Atts/Bar Helpers	590	650	60	10.2%	10	20	30	Short-term on-the-job training	\$13,253	\$5.85 - \$6.80
35-9021	Dishwashers	920	970	50	5.4%	10	30	40	Short-term on-the-job training	\$13,426	\$5.82 - \$6.85
35-9031	Hosts Rest/Lounge/Coff Shop	360	410	50	13.9%	10	10	20	Short-term on-the-job training	\$15,496	\$6.21 - \$8.44
35-9099	Food Prep/Serving Rel Wrks/AO	160	170	10	6.3%	<5	10	10	Short-term on-the-job training	\$19,603	\$8.09 - \$10.50
<b>37-0000</b>	<b>Build &amp; Grounds Cleaning/Maint Occs</b>	7,290	8,370	1,080	14.8%	110	150	260		\$20,173	\$7.76 - \$10.98
37-1011	F-L Sups/Mgrs Hskpng/Janitr Wrks	290	320	30	10.3%	<5	10	10	Work exp. in a related occupation	\$30,566	\$10.70 - \$17.51
37-1012	F-L Sup/Mgr Land/Lawn/Grnds Wrk	110	130	20	18.2%	<5	<5	<5	Work exp. in a related occupation	\$30,396	\$10.51 - \$18.44
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	3,150	3,590	440	14.0%	40	60	100	Short-term on-the-job training	\$20,587	\$7.68 - \$11.86
37-2012	Maids/Housekpng Cleaners	2,580	2,940	360	14.0%	40	50	90	Short-term on-the-job training	\$17,472	\$7.58 - \$9.27
37-2021	Pest Control Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
37-3011	Landscaping/Grndskpng Wrks	1,040	1,250	210	20.2%	20	20	40	Short-term on-the-job training	\$20,907	\$7.96 - \$11.66
37-3012	Pesticide Hndlr/Sprays/Apps Veg	20	30	10	50.0%	<5	<5	<5	Moderate-term on-the-job training	\$19,381	\$8.69 - \$10.23
37-3013	Tree Trimmers/Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
37-9099 <sup>(7)</sup>	Bldg/Grnds Cleanng/Maint Wrks AO	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$21,379	\$7.69 - \$11.04
<b>39-0000</b>	<b>Personal Care and Service Occs</b>	4,230	5,060	830	19.6%	80	100	180		\$19,087	\$6.73 - \$10.35
39-1011	F-L Sups/Mgrs of Gaming Wrks	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* *
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
39-1021	F-L Sups/Mgrs of Persnl Serv Wrks	130	170	40	30.8%	<5	<5	<5	Work exp. in a related occupation	\$27,667	\$10.59 - \$14.73
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
39-2021	Nonfarm Animal Caretakers	110	140	30	27.3%	<5	<5	<5	Short-term on-the-job training	\$18,600	\$7.27 - \$9.78
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
39-3012	Gaming/Sports BookRunners	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
39-3021	Motion Picture Projectionists	10	10	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$18,254	\$7.75 - \$10.04
39-3031	Ushers/Lobby Attend/Ticket Takers	80	90	10	12.5%	<5	10	10	Short-term on-the-job training	\$14,706	\$6.15 - \$8.09
39-3091	Amusement/Recreation Attendants	390	430	40	10.3%	10	10	20	Short-term on-the-job training	\$15,690	\$5.87 - \$7.94
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
39-3093	Lockr Rm/Coatrm/Dress Rm Attend	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
39-3199 <sup>(7)</sup>	Gaming Wrks, AO	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$19,694	\$7.77 - \$10.41
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *

### Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
39-4021	Funeral Attendants	30	40	10	33.3%	<5	<5	<5	Short-term on-the-job training	\$18,208	\$6.56 - \$10.54
39-5011	Barbers	10	20	10	100.0%	<5	<5	<5	Postsecondary vocational training	\$26,674	\$11.09 - \$16.13
39-5012	Hairdress/Hairstyl/Cosmetologists	600	740	140	23.3%	10	10	20	Postsecondary vocational training	\$19,325	\$6.44 - \$10.79
39-5092	Manicurists/Pedicurists	20	30	10	50.0%	<5	<5	<5	Postsecondary vocational training	\$16,355	\$7.12 - \$8.37
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
39-5094	Skin Care Specialists	20	30	10	50.0%	<5	<5	<5	Postsecondary vocational training	\$19,627	\$6.99 - \$11.81
39-6011	Baggage Porters and Bellhops	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
39-6021	Tour Guides and Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
39-6032	Trans Atts/Ex Flight Atts/Bag Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
39-9011	Child Care Wrks	710	850	140	19.7%	10	20	30	Short-term on-the-job training	\$14,619	\$5.97 - \$8.03
39-9021	Personal and Home Care Aides	770	980	210	27.3%	20	10	30	Short-term on-the-job training	\$18,238	\$7.75 - \$9.93
39-9031	Fitness Trainers/Aerobics Instruct	270	340	70	25.9%	10	10	20	Postsecondary vocational training	\$19,050	\$7.03 - \$10.77
39-9032	Recreation Wrks	510	570	60	11.8%	10	10	20	Bachelor's degree	\$17,547	\$6.75 - \$9.65
39-9041	Residential Advisors	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$16,967	\$6.24 - \$9.51
39-9099	Personal Care/Service Wrks/AO	90	110	20	22.2%	<5	<5	<5	Short-term on-the-job training	\$17,413	\$7.39 - \$8.71
<b>41-0000</b>	<b>Sales and Related Occs</b>	<b>18,570</b>	<b>21,050</b>	<b>2,480</b>	<b>13.4%</b>	<b>250</b>	<b>640</b>	<b>890</b>		<b>\$27,060</b>	<b>\$7.25 - \$15.28</b>
41-1011	F-L Sups/Mgrs of Rtl Sl Wrks	1,580	1,830	250	15.8%	20	30	50	Work exp. in a related occupation	\$34,407	\$11.69 - \$19.35
41-1012	F-L Sups/Mgrs of nonRtl Sl Wrks	300	370	70	23.3%	10	10	20	Work exp. in a related occupation	\$64,110	\$17.78 - \$36.87
41-2011	Cashiers	5,040	5,550	510	10.1%	50	250	300	Short-term on-the-job training	\$16,319	\$6.45 - \$8.59
41-2012	Gaming Change/Booth Cashiers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	* *
41-2021	Counter and Rental Clerks	410	490	80	19.5%	10	20	30	Short-term on-the-job training	\$21,048	\$7.12 - \$12.33
41-2022	Parts Salespersons	440	430	-10	-2.3%	<5	10	10	Moderate-term on-the-job training	\$25,715	\$9.62 - \$14.37
41-2031	Retail Salespersons	6,000	6,770	770	12.8%	80	220	300	Short-term on-the-job training	\$21,030	\$6.80 - \$10.98
41-3011	Advertising Sales Agents	180	190	10	5.6%	<5	<5	<5	Moderate-term on-the-job training	\$37,388	\$11.44 - \$22.73
41-3021	Insurance Sales Agents	490	560	70	14.3%	10	10	20	Bachelor's degree	\$40,588	\$11.47 - \$24.28
41-3031	Sec/Comm/Fin Serv Sales Agents	110	140	30	27.3%	<5	<5	<5	Bachelor's degree	\$63,047	\$15.22 - \$41.44
41-3041	Travel Agents	80	60	-20	-25.0%	<5	<5	<5	Postsecondary vocational training	\$23,678	\$9.69 - \$12.85
41-4011	Sl Reps/Whlsl/Mfg/Tech/Sci Prods	340	420	80	23.5%	10	10	20	Moderate-term on-the-job training	\$60,410	\$18.60 - \$35.56
41-4012	Sl Reps/Whlsl/Mfg/Ex Tech/Sci Prod	2,370	2,890	520	21.9%	50	60	110	Moderate-term on-the-job training	\$45,363	\$13.68 - \$27.37
41-9011	Demonstrators/Product Promoters	120	140	20	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$20,574	\$7.99 - \$10.44

### Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-9021	Real Estate Brokers	70	80	10	14.3%	<5	<5	<5	Postsecondary vocational training	\$50,678	\$12.63 - \$38.65
41-9022	Real Estate Sales Agents	80	90	10	12.5%	<5	<5	<5	Postsecondary vocational training	\$33,453	\$6.94 - \$22.78
41-9031	Sales Engineers	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$71,433	\$13.71 - \$40.00
41-9041	Telemarketers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	* *
41-9091	Door Sales/News/St Vndrs/Rel Wkrs	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$38,634	\$17.95 - \$21.07
41-9099	Sales/Related Wkrs/All Other	440	530	90	20.5%	10	10	20	Moderate-term on-the-job training	\$32,151	\$9.19 - \$17.67
<b>43-0000</b>	<b>Office/Administrative Support Occupation</b>	<b>33,580</b>	<b>35,850</b>	<b>2,270</b>	<b>6.8%</b>	<b>230</b>	<b>780</b>	<b>1,010</b>		<b>\$24,993</b>	<b>\$8.84 - \$14.05</b>
43-1011	Wrks	2,030	2,140	110	5.4%	10	40	50	Work exp. in a related occupation	\$41,337	\$13.92 - \$24.80
43-2011	Switchboard Oprs/Incl Answrng Svc	300	290	-10	-3.3%	<5	10	10	Short-term on-the-job training	\$21,977	\$9.08 - \$11.80
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
43-2099	Communications Equipment Oprs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
43-3011	Bill/Account Collectors	320	400	80	25.0%	10	10	20	Short-term on-the-job training	\$25,170	\$9.90 - \$13.73
43-3021	Billing/Posting Clerks/Machn Oprs	730	790	60	8.2%	10	10	20	Moderate-term on-the-job training	\$26,927	\$10.51 - \$14.20
43-3031	Bookkeep/Account/Auditing Clerks	2,740	2,840	100	3.6%	10	50	60	Moderate-term on-the-job training	\$25,378	\$9.62 - \$14.37
43-3041	Gaming Cage Wkrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
43-3051	Payroll and Timekeeping Clerks	300	320	20	6.7%	<5	10	10	Moderate-term on-the-job training	\$27,304	\$11.06 - \$15.40
43-3061	Procurement Clerks	110	100	-10	-9.1%	<5	<5	<5	Short-term on-the-job training	\$27,508	\$10.86 - \$15.38
43-3071	Tellers	850	970	120	14.1%	10	40	50	Short-term on-the-job training	\$19,694	\$8.16 - \$10.51
43-4011	Brokerage Clerks	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$36,031	\$11.52 - \$23.18
43-4021	Correspondence Clerks	10	10	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$25,482	\$10.41 - \$13.93
43-4031	Court/Municipal/License Clerks	180	190	10	5.6%	<5	<5	<5	Short-term on-the-job training	\$29,090	\$11.19 - \$16.09
43-4041	Credit Authorizers/Checkers/Clerks	50	50	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$24,795	\$8.25 - \$15.11
43-4051	Customer Service Reps	2,820	3,440	620	22.0%	60	40	100	Moderate-term on-the-job training	\$24,652	\$9.03 - \$13.79
43-4061	Eligibility Interviewers/Gov't Progrms	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
43-4071	File Clerks	390	370	-20	-5.1%	<5	10	10	Short-term on-the-job training	\$19,981	\$8.17 - \$10.77
43-4081	Hotel/Motel/Resort Desk Clerks	400	490	90	22.5%	10	20	30	Short-term on-the-job training	\$16,732	\$7.42 - \$8.65
43-4111	Interviewers/Ex Eligibility/Loan	220	290	70	31.8%	10	10	20	Short-term on-the-job training	\$24,465	\$10.15 - \$13.28
43-4121	Library Assts/Clerical	220	250	30	13.6%	<5	10	10	Short-term on-the-job training	\$21,795	\$8.64 - \$12.47
43-4131	Loan Interviewers/Clerks	190	160	-30	-15.8%	<5	<5	<5	Short-term on-the-job training	\$23,155	\$9.53 - \$12.71
43-4141	New Accounts Clerks	140	160	20	14.3%	<5	<5	<5	Work exp. in a related occupation	\$23,631	\$10.01 - \$12.71
43-4151	Order Clerks	1,510	1,910	400	26.5%	40	30	70	Short-term on-the-job training	\$19,016	\$7.29 - \$10.34
43-4161	Human Res Assts/Ex Pay/Tmkpng	250	290	40	16.0%	<5	10	10	Short-term on-the-job training	\$29,614	\$11.46 - \$16.61
43-4171	Receptionists/Info Clerks	1,620	2,050	430	26.5%	40	40	80	Short-term on-the-job training	\$20,455	\$8.32 - \$11.15

# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-4181	Res/Trans Ticket Agnts/Travl Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
43-4999 <sup>(7)</sup>	Fin/Info/Record Clerks/All Other	270	270	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$24,131	\$8.81 - \$13.40
43-5011	Cargo/Freight Agents	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$34,706	\$10.57 - \$21.95
43-5021	Couriers/Messengers	120	120	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$19,457	\$7.94 - \$10.63
43-5031	Police/Fire/Ambulance Dispatchers	100	110	10	10.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,042	\$12.12 - \$16.02
43-5032	Disp/Ex Police/Fire/Ambulance	300	350	50	16.7%	10	10	20	Moderate-term on-the-job training	\$31,511	\$12.15 - \$17.16
43-5041	Meter Readers/Utilities	70	50	-20	-28.6%	<5	<5	<5	Short-term on-the-job training	\$36,026	\$14.77 - \$21.36
43-5051	Postal Service Clerks	90	90	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$39,279	\$18.01 - \$20.34
43-5052	Postal Service Mail Carriers	500	500	0	0.0%	<5	20	20	Short-term on-the-job training	\$38,581	\$16.00 - \$20.94
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	330	300	-30	-9.1%	<5	10	10	Short-term on-the-job training	\$36,256	\$17.03 - \$20.01
43-5061	Production/Plan/Expediting Clerks	520	590	70	13.5%	10	10	20	Short-term on-the-job training	\$33,121	\$11.79 - \$19.22
43-5071	Shipping/Receiving/Traffic Clerks	1,570	1,690	120	7.6%	10	30	40	Short-term on-the-job training	\$24,102	\$9.10 - \$13.62
43-5081	Stock Clerks/Order Fillers	2,470	2,380	-90	-3.6%	<5	90	90	Short-term on-the-job training	\$19,310	\$7.12 - \$10.92
43-5111	Weigh/Meas/Check/Sample/Rcrdkp	160	190	30	18.8%	<5	<5	<5	Short-term on-the-job training	\$25,710	\$10.04 - \$13.69
43-5199 <sup>(7)</sup>	Matrl Rec/Sched/Disp/Dist Wrkrs/AO	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$17,116	\$6.51 - \$9.71
43-6011	Executive Secretaries/Admin Assts	1,980	2,090	110	5.6%	10	40	50	Moderate-term on-the-job training	\$29,179	\$11.13 - \$16.21
43-6012	Legal Secretaries	200	240	40	20.0%	<5	<5	<5	Postsecondary vocational training	\$30,803	\$12.29 - \$16.72
43-6013	Medical Secretaries	390	460	70	17.9%	10	10	20	Postsecondary vocational training	\$23,168	\$9.61 - \$12.59
43-6014	Secretaries/Ex Legal/Medical/Exec	2,720	2,520	-200	-7.4%	<5	50	50	Moderate-term on-the-job training	\$23,008	\$9.06 - \$12.99
43-9011	Computer Oprs	210	160	-50	-23.8%	<5	<5	<5	Moderate-term on-the-job training	\$29,986	\$11.09 - \$18.37
43-9021	Data Entry Keyers	380	360	-20	-5.3%	<5	10	10	Moderate-term on-the-job training	\$21,985	\$8.79 - \$12.03
43-9022	Word Processors/Typists	280	160	-120	-42.9%	<5	10	10	Moderate-term on-the-job training	\$25,847	\$10.07 - \$13.80
43-9031	Desktop Publishers	50	70	20	40.0%	<5	<5	<5	Postsecondary vocational training	\$29,760	\$11.78 - \$16.80
43-9041	Ins Claims/Policy Processng Clerks	830	860	30	3.6%	<5	10	10	Moderate-term on-the-job training	\$24,275	\$9.50 - \$13.45
43-9051	Service	210	200	-10	-4.8%	<5	10	10	Short-term on-the-job training	\$19,032	\$7.29 - \$10.82
43-9061	Office Clerks/General	3,510	3,680	170	4.8%	20	80	100	Short-term on-the-job training	\$22,283	\$8.23 - \$13.00
43-9071	Office Machn Oprs/Ex Computer	90	80	-10	-11.1%	<5	<5	<5	Short-term on-the-job training	\$19,134	\$7.38 - \$10.75
43-9081	Proofreaders/Copy Markers	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$17,904	\$7.82 - \$8.87
43-9111	Statistical Assts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
43-9999 <sup>(7)</sup>	Sec/Admn Asst/Othr Offc Sup Wrkrs/AO	440	430	-10	-2.3%	<5	10	10	Short-term on-the-job training	\$23,452	\$8.71 - \$13.52
<b>45-0000</b>	<b>Farming/Fishing/Forestry Occs</b>	340	360	20	5.9%	<5	10	10		\$28,007	\$9.74 - \$16.84
45-1011	F-L Sups/Mgrs Farm/Fish/Forest Wkrs	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$45,553	\$19.70 - \$22.98
45-1012	Farm Labor Contractors	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* *

### Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
45-2011	Agricultural Inspectors	10	10	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$29,764	\$12.57 - \$16.16
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
45-2041	Graders/Sorters/Ag Prod	50	50	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$18,815	\$7.32 - \$10.74
45-2091	Ag Equipment Oprs	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,340	\$11.31 - \$17.08
45-2092	Farm/Labrrs/Crop/Nursry/Greenhs	20	30	10	50.0%	<5	<5	<5	Short-term on-the-job training	\$22,737	\$9.24 - \$11.67
45-2093	Farmwrks/Farm/Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
45-4011	Forest and Conservation Wrks	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,575	\$11.97 - \$17.45
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
45-4022	Logging Equipment Oprs	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,181	\$11.81 - \$16.03
45-4023	Log Graders/Scalers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
45-9099 <sup>(7)</sup>	Farming/Fishing/Forestry Wrks/AO	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$25,641	\$9.52 - \$15.93
<b>47-0000</b>	<b>Construction/Extraction Occs</b>	<b>8,480</b>	<b>10,250</b>	<b>1,770</b>	<b>20.9%</b>	<b>180</b>	<b>170</b>	<b>350</b>		<b>\$34,931</b>	<b>\$12.09 - \$21.34</b>
47-1011	First-Line Sup/Mgr Const Trades/Extr Wrks	580	690	110	19.0%	10	10	20	Work exp. in a related occupation	\$54,645	\$19.99 - \$28.38
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
47-2021	Brickmasons/Blockmasons	190	230	40	21.1%	<5	<5	<5	Long-term on-the-job training	\$45,654	\$14.45 - \$28.36
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
47-2031	Carpenters	1,990	2,470	480	24.1%	50	30	80	Long-term on-the-job training	\$29,721	\$11.60 - \$16.76
47-2041	Carpet Installers	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,790	\$8.79 - \$13.95
47-2042	Floor Lays/Ex Carpet/Wood/Tiles	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-2043	Floor Sanders/Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-2044	Tile/Marble Settrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
47-2051	Cem Masons/Conc Finishrs	260	340	80	30.8%	10	10	20	Moderate-term on-the-job training	\$40,827	\$15.48 - \$23.55
47-2053	Terrazzo Wrks/Finish	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
47-2061	Construction Laborers	850	1,010	160	18.8%	20	10	30	Moderate-term on-the-job training	\$30,323	\$11.39 - \$17.96
47-2071	Pavng/Surfacng/Tampng Equip Oprs	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$29,022	\$10.00 - \$16.47
47-2072	Pile-Driver Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-2073	Opng Engrns/Other Con Eqp Oprs	470	540	70	14.9%	10	10	20	Moderate-term on-the-job training	\$41,579	\$15.15 - \$24.76
47-2081	Drywall and Ceiling Tile Installers	70	100	30	42.9%	<5	<5	<5	Moderate-term on-the-job training	\$36,166	\$12.66 - \$21.58
47-2082	Tapers	20	30	10	50.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,564	\$13.53 - \$20.03
47-2111	Electricians	970	1,210	240	24.7%	20	20	40	Long-term on-the-job training	\$41,750	\$16.04 - \$24.73
47-2121	Glaziers	60	70	10	16.7%	<5	<5	<5	Long-term on-the-job training	\$25,230	\$8.48 - \$13.76
47-2130	Insulation Wrks	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$25,581	\$10.76 - \$13.65
47-2141	Painters/Const/Maint	220	250	30	13.6%	<5	<5	<5	Moderate-term on-the-job training	\$26,285	\$9.43 - \$15.64



# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-2151	Pipelayers	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$46,846	\$19.39 - \$26.32
47-2152	Plumbers/Pipefitters/Steamfitters	700	850	150	21.4%	20	20	40	Long-term on-the-job training	\$34,395	\$10.93 - \$21.49
47-2161	Plasterers/Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
47-2171	Reinforcing Iron/Rebar Wrks	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
47-2181	Roofers	160	200	40	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,506	\$12.06 - \$18.46
47-2211	Sheet Metal Wrks	410	510	100	24.4%	10	10	20	Moderate-term on-the-job training	\$40,294	\$12.89 - \$25.52
47-2221	Structural Iron and Steel Wrks	70	90	20	28.6%	<5	<5	<5	Long-term on-the-job training	\$49,883	\$22.40 - \$26.06
47-3011	Helprs-Brick/Block/Stone/Tile/Marble	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$30,674	\$11.72 - \$18.78
47-3012	Helpers--Carpenters	110	140	30	27.3%	<5	10	10	Short-term on-the-job training	\$22,406	\$9.42 - \$11.92
47-3013	Helpers--Electricians	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$18,855	\$7.48 - \$9.80
47-3014	Helprs--Paint/Paper/Plaster/Stucco	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$25,589	\$11.78 - \$13.33
47-3015	Helprs--Pipelay/Plumb/Pipe/Steam	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$18,074	\$7.56 - \$8.66
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
47-3019	Helpers/Const Trades/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
47-4011	Const/Bldg Inspectors	70	70	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$37,463	\$13.07 - \$22.85
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-4041	Hazardous Materials Removal Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-4051	Highway Maintenance Wrks	380	400	20	5.3%	<5	10	10	Moderate-term on-the-job training	\$34,743	\$14.43 - \$17.07
47-4061	Rail-Track Layng/Maint Eqpmnt Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-4071	Septic Tnk Srvcrs/Sewer Pipe Clnrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-4999 <sup>(7)</sup>	Const Trades/Rel Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-5013	Service Unit Oprs, Oil/Gas/Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-5021	Earth Drillers/Ex Oil/Gas	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,460	\$13.61 - \$20.33
47-5031	Explsv/Ordnc Handling Exprts/Blastrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-5040 <sup>(8)</sup>	Mining Machine Oprs	0	0	0	0.0%	<5	<5	<5			
47-5041 <sup>(8)</sup>	Cont Mining Mach Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training	*	* *
47-5042 <sup>(8)</sup>	Mine Cut/Channel Mach Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training	*	* *
47-5051	Rock Splitters, Quarry	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
47-5081	Helpers--Extraction Wrks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
47-5099	Extraction Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *

# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
<b>49-0000</b>	<b>Installation/Maint/Repair Occs</b>	7,870	8,780	910	11.6%	90	180	270		\$34,375	\$12.17 - \$20.06
49-1011	First-Line Supvrs/Mgrs of Mechs/Inst/Rep	640	720	80	12.5%	10	20	30	Work exp. in a related occupation	\$50,697	\$18.50 - \$29.66
49-2011	Computer/ATM/Ofc Machn Reprsr	120	140	20	16.7%	<5	<5	<5	Postsecondary vocational training	\$37,494	\$15.06 - \$21.48
49-2021	Radio Mechanics	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
49-2022	Telecm Eqp Inst/Reprsr/Ex Line Inst	130	120	-10	-7.7%	<5	<5	<5	Postsecondary vocational training	\$46,664	\$19.59 - \$26.14
49-2091	Avionics Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
49-2092	Elec Motor/Power Tool/Rel. Reprsr	70	70	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$37,578	\$15.56 - \$20.99
49-2093	Elec Installers/Repairers/Trans Eqp	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
49-2094	Elec Repairers/Comm/Ind Equip	70	80	10	14.3%	<5	<5	<5	Postsecondary vocational training	\$31,896	\$10.46 - \$19.41
49-2095	Elec Reprsr/Powerhse/Substrn/Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
49-2096	Elec Equip Instlrs/Reprsr/Motor Veh	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
49-2097	Elec Home Ent Eqmnt Inst/Reprsr	20	20	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$26,873	\$10.70 - \$15.55
49-2098	Security/Fire Alarm Systems Inst	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
49-2099 <sup>(7)</sup>	Elec Equip Mechs/Instlrs/Reprsr/AO	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
49-3011	Aircraft Mechanics/Service Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
49-3021	Automotive Body/Related Repairers	300	350	50	16.7%	<5	10	10	Long-term on-the-job training	\$31,354	\$11.87 - \$18.01
49-3022	Automotive Glass Installers/Reprsr	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
49-3023	Automotive Service Techs/Mechanics	1,160	1,310	150	12.9%	20	30	50	Postsecondary vocational training	\$30,910	\$11.47 - \$17.20
49-3031	Bus/Truck Mechs/Diesel Engrn Spec	510	600	90	17.6%	10	10	20	Postsecondary vocational training	\$32,071	\$12.86 - \$17.54
49-3041	Farm Equipment Mechanics	80	90	10	12.5%	<5	<5	<5	Postsecondary vocational training	\$30,538	\$11.72 - \$17.04
49-3042	Mobile Hvy Eqpmnt Mechs/Ex Engrs	150	170	20	13.3%	<5	<5	<5	Postsecondary vocational training	\$33,858	\$12.69 - \$19.47
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
49-3051	Motorboat Mechanics	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$24,441	\$9.01 - \$13.82
49-3052	Motorcycle Mechanics	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$25,455	\$11.55 - \$13.51
49-3053	Outdr Powr Eqp/Othr Sm Engrn Mchs	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,651	\$9.30 - \$15.32
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
49-3092	Recreational Vehicle Service Techs	30	40	10	33.3%	<5	<5	<5	Long-term on-the-job training	\$24,790	\$10.29 - \$13.72
49-3093	Tire Repairers/Changers	130	140	10	7.7%	<5	10	10	Short-term on-the-job training	\$21,143	\$8.92 - \$11.64
49-3099 <sup>(7)</sup>	Veh/Mbl Eqp Mechs/Instl/Reprsr/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
49-9011	Mechanical Door Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
49-9012	Cntrl/Valve Inst/Rep/Ex Mechn Door	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$44,041	\$18.72 - \$23.31
49-9021	Heating/AC/Refrig Mechs/Instlrs	240	330	90	37.5%	10	<5	10	Long-term on-the-job training	\$30,577	\$11.19 - \$17.39

### Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
49-9031	Home Appliance Repairers	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$32,887	\$12.69 - \$17.28
49-9041	Industrial Machinery Mechanics	520	540	20	3.8%	<5	10	10	Long-term on-the-job training	\$38,879	\$16.43 - \$21.02
49-9042	Maint/Repair Workers/General	1,980	2,230	250	12.6%	30	40	70	Long-term on-the-job training	\$30,692	\$10.93 - \$18.18
49-9043	Maint Workers/Machinery	190	190	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$33,665	\$15.27 - \$17.49
49-9044	Millwrights	310	290	-20	-6.5%	<5	10	10	Long-term on-the-job training	\$47,387	\$18.85 - \$27.13
49-9045	Refractory Materials Repairs/Ex Brickmasons	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
49-9051	Electric Power-Line Installers/Repairers	110	110	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$43,699	\$19.64 - \$22.36
49-9052	Telecommunications Line Installers/Repairers	150	170	20	13.3%	<5	<5	<5	Long-term on-the-job training	\$45,203	\$18.17 - \$25.86
49-9062	Medical Equipment Repairers	20	30	10	50.0%	<5	<5	<5	Associate degree	\$37,631	\$15.76 - \$20.88
49-9063	Musical Instrument Repairers/Tuners	10	10	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$27,876	\$10.61 - \$16.50
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
49-9069	Precision Instrument/Equipment Repairers/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
49-9091	Coin/Vending/Amusement Machine Service/Repair	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$24,842	\$7.29 - \$15.90
49-9092	Commercial Drivers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
49-9093	Fabric Menders/Ex Garment	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
49-9094	Locksmiths/Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
49-9095	Manufactured Building/Mobile Home Installer	10	20	10	100.0%	<5	<5	<5	Moderate-term on-the-job training	\$32,992	\$12.84 - \$17.27
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
49-9098	Helpers--Install/Maint/Repair Workers	200	240	40	20.0%	<5	10	10	Short-term on-the-job training	\$21,751	\$8.20 - \$12.07
49-9099	Installation/Maint/Repair Workers/AO	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$27,356	\$9.80 - \$16.50
<b>51-0000</b>	<b>Production Occupations</b>	<b>25,110</b>	<b>25,570</b>	<b>460</b>	<b>1.8%</b>	<b>50</b>	<b>610</b>	<b>660</b>		<b>\$29,019</b>	<b>\$10.49 - \$16.47</b>
51-1011	First-Line Supervisors/Managers of Production/Operative Workers	1,550	1,730	180	11.6%	20	30	50	Work exp. in a related occupation	\$47,154	\$15.68 - \$25.41
51-2011	Aircraft Structure/Surface/Rigging/System Assemblers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-2021	Coil Winders/Tapers/Finishers	130	120	-10	-7.7%	<5	<5	<5	Short-term on-the-job training	\$25,910	\$9.77 - \$15.43
51-2022	Electrical/Electronic Equipment Assemblers	200	190	-10	-5.0%	<5	10	10	Short-term on-the-job training	\$26,900	\$10.07 - \$16.00
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
51-2031	Engine/Other Machine Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
51-2041	Structural Metal Fabricators/Fitters	270	290	20	7.4%	<5	10	10	Moderate-term on-the-job training	\$29,407	\$12.56 - \$15.86
51-2091	Fiberglass Laminators/Fabricators	*	*	*	*	<5	10	10	Moderate-term on-the-job training	*	* *
51-2092	Team Assemblers	2,940	2,890	-50	-1.7%	<5	80	80	Moderate-term on-the-job training	\$25,518	\$10.23 - \$13.99
51-2093	Timing Device Assembly/Adjusters/Calibrators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *

### Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-2099	Assemblers/Fabricators/All Other	280	270	-10	-3.6%	<5	10	10	Moderate-term on-the-job training	\$23,013	\$9.13 - \$13.01
51-3011	Bakers	290	330	40	13.8%	<5	10	10	Long-term on-the-job training	\$20,333	\$8.00 - \$10.94
51-3021	Butchers/Meat Cutters	230	230	0	0.0%	<5	10	10	Long-term on-the-job training	\$25,576	\$9.81 - \$14.27
51-3022	Meat/Poultry/Fish Cutters/Trimmers	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$23,389	\$9.38 - \$13.11
51-3023	Slaughterers/Meat Packers	130	160	30	23.1%	<5	<5	<5	Moderate-term on-the-job training	\$22,960	\$9.77 - \$12.13
51-3091	Food/Tobac Bake/Dry/Mchn Op/Tndrs	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$29,652	\$13.34 - \$16.46
51-3092	Food Batchmakers	240	250	10	4.2%	<5	10	10	Short-term on-the-job training	\$27,591	\$10.61 - \$15.72
51-3093	Food Cooking Machn Oprs/Tendrs	110	110	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,711	\$7.96 - \$13.22
51-3099 <sup>(7)</sup>	Food Processing Wrkrs/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
51-4011	Comp-Cntrl Machn Tool Op/M/P	340	370	30	8.8%	<5	10	10	Moderate-term on-the-job training	\$31,601	\$12.71 - \$17.65
51-4012	Num Tool/Procss Cntrl Programmrs	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$42,435	\$16.34 - \$25.01
51-4021	Extrud/Draw Mchn Set/Op/Tndrs/M/P	170	180	10	5.9%	<5	10	10	Moderate-term on-the-job training	\$29,484	\$10.66 - \$16.21
51-4022	Forge Machn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-4023	Roll Machn Set/Op/Tndrs/M/P	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,130	\$10.15 - \$16.49
51-4031	Cut/Punch/Press Set/Op/Tndrs/M/P	750	770	20	2.7%	<5	20	20	Moderate-term on-the-job training	\$27,746	\$11.54 - \$15.53
51-4032	Drill/Bore Tool Set/Op/Tndrs/M/P	80	80	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,681	\$8.98 - \$14.53
51-4033	Grind/Lap/Polish/Buf Set/Op/Tnd/M/P	200	200	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,799	\$9.11 - \$16.90
51-4034	Lathe/Turn Tool Set/Op/Tndrs/M/P	120	120	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,349	\$13.05 - \$20.26
51-4035	Mill/Plane Mchn Set/Op/Tndrs/M/P	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,269	\$9.64 - \$13.67
51-4041	Machinists	840	910	70	8.3%	10	20	30	Long-term on-the-job training	\$30,058	\$12.04 - \$16.58
51-4051	Metal-Refining Furnace Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-4052	Pourers/Casters/Metal	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-4061	Model Makers/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-4062	Patternmakers/Metal/Plastic	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$38,784	\$15.76 - \$21.88
51-4071	Foundry Mold/Coremakers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-4072	Mold/Core/Cast Set/Op/Tndrs/M/P	160	180	20	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$30,345	\$11.30 - \$17.52
51-4081	Mult Mchn Tool Set/Op/Tndrs/M/P	*	*	*	*	<5	10	10	Moderate-term on-the-job training	*	* *
51-4111	Tool and Die Makers	220	220	0	0.0%	<5	10	10	Long-term on-the-job training	\$34,379	\$14.81 - \$17.88
51-4121	Welders/Cutters/Solderers/Brazers	800	920	120	15.0%	10	20	30	Postsecondary vocational training	\$30,930	\$13.05 - \$17.21
51-4122	Weld/Solder/Braze Mchn Set/Op/Tnd	150	140	-10	-6.7%	<5	<5	<5	Moderate-term on-the-job training	\$27,779	\$11.30 - \$15.76
51-4191	Heat Treat Eqp Set/Op/Tndrs/M/P	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,388	\$11.25 - \$17.57
51-4192	Lay-Out Wrkrs/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-4193	Plate/Coat Mchn Set/Op/Tndrs/M/P	50	40	-10	-20.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,713	\$11.66 - \$13.38

# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-4194	Tool Grinders/Filers/Sharpeners	70	60	-10	-14.3%	<5	<5	<5	Moderate-term on-the-job training	\$26,538	\$10.36 - \$15.22
51-4199	Metal Wrks/Plastic Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-5011	Bindery Wrks	330	300	-30	-9.1%	<5	10	10	Moderate-term on-the-job training	\$28,103	\$9.90 - \$16.59
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-5021	Job Printers	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$36,553	\$14.65 - \$20.25
51-5022	Prepress Techs/Wrks	160	140	-20	-12.5%	<5	<5	<5	Long-term on-the-job training	\$35,090	\$14.57 - \$20.14
51-5023	Printing Machn Oprs	470	460	-10	-2.1%	<5	10	10	Moderate-term on-the-job training	\$33,136	\$12.74 - \$19.94
51-5099 <sup>(7)</sup>	Printing Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-6011	Laundry/Dry-Cleaning Wrks	260	300	40	15.4%	<5	10	10	Moderate-term on-the-job training	\$17,175	\$6.75 - \$9.65
51-6021	Pressers/Textile/Garment/Rel Mtrls	70	70	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$17,638	\$7.72 - \$8.99
51-6031	Sewing Machine Oprs	270	290	20	7.4%	<5	<5	<5	Moderate-term on-the-job training	\$19,442	\$7.81 - \$11.05
51-6041	Shoe/Leather Wrks/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-6042	Shoe Machine Oprs/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-6051	Sewers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
51-6052	Tailors/Dressmakrs/Custom Sewrs	50	50	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$21,004	\$8.97 - \$11.20
51-6061	Textl Bleach/Dye Mchn Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-6062	Textl Cuttng Mchn Set/Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-6091	Extr/Form Set/Op/Tnd/Syn/Glss Fibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-6092	Fabric/Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-6093	Upholsterers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-6099	Textile/Apparel/Furnishng Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-7011	Cabinetmakers/Bench Carpenters	440	500	60	13.6%	10	10	20	Long-term on-the-job training	\$26,298	\$11.47 - \$13.61
51-7021	Furniture Finishers	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$23,956	\$10.49 - \$12.92
51-7031	Model Makers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-7032	Patternmakers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-7041	Saw Machn Set/Op/Tendrs/Wood	600	590	-10	-1.7%	<5	20	20	Moderate-term on-the-job training	\$22,955	\$9.20 - \$12.45
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	1,110	1,120	10	0.9%	<5	30	30	Moderate-term on-the-job training	\$23,998	\$9.39 - \$14.23
51-7099	WoodWrks, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-8010 <sup>(8)</sup>	Pwr Plnt Oprs/Distributrs/Dispatchrs	100	90	-10	-10.0%	<5	<5	<5			
51-8011 <sup>(8)</sup>	Nuc Power Reactor Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	* *
51-8012 <sup>(8)</sup>	Power Dist/Disp	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	* *

# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

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51-8013 <sup>(8)</sup>	Power Plant Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	\$40,926	\$15.23 - \$23.67
51-8021	Stationary Engineers/Boiler Oprs	120	110	-10	-8.3%	<5	<5	<5	Long-term on-the-job training	\$33,424	\$12.69 - \$18.32
51-8031	Watr/Lqd Waste Trtmnt Plant/Sys Op	180	180	0	0.0%	<5	10	10	Long-term on-the-job training	\$39,304	\$16.97 - \$21.57
51-8091	Chemical Plant/System Oprs	60	50	-10	-16.7%	<5	<5	<5	Long-term on-the-job training	\$37,038	\$15.70 - \$18.94
51-8092	Gas Plant Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-8093	Petrol Pump Sys Op/Refinery Op/Gaug	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-8099	Plant/System Oprs/All Other	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$31,268	\$10.68 - \$18.69
51-9011	Chemical Equipment Oprs/Tendrs	210	180	-30	-14.3%	<5	10	10	Moderate-term on-the-job training	\$45,138	\$15.44 - \$28.21
51-9012	Sep/Filtr/Clarify/Prec/Still Set/Op/Tnd	190	180	-10	-5.3%	<5	10	10	Moderate-term on-the-job training	\$30,904	\$12.52 - \$16.72
51-9021	Crush/Grnd/Polish Set/Op/Tndrs	160	150	-10	-6.3%	<5	<5	<5	Moderate-term on-the-job training	\$26,738	\$10.30 - \$15.25
51-9022	Grinding/Polishing Wrks/Hand	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$26,730	\$10.33 - \$15.66
51-9023	Mix/Blend Machn Settrs/Oprs/Tendrs	210	190	-20	-9.5%	<5	10	10	Moderate-term on-the-job training	\$34,128	\$14.19 - \$18.93
51-9031	Cutters/Trimmers/Hand	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$22,991	\$8.43 - \$13.14
51-9032	Cut/Slice Machn Settrs/Oprs/Tendrs	260	280	20	7.7%	<5	10	10	Moderate-term on-the-job training	\$28,405	\$11.76 - \$15.89
51-9041	Extr/Form/Press/Compct Set/Op/Tnd	310	270	-40	-12.9%	<5	10	10	Moderate-term on-the-job training	\$28,724	\$12.17 - \$15.93
51-9051	Furnce/Kln/Ov/Drier/Kettle Op/Tndrs	100	90	-10	-10.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,739	\$11.11 - \$19.93
51-9061	Inspect/Test/Sort/Sample/Weighers	850	930	80	9.4%	10	20	30	Moderate-term on-the-job training	\$29,452	\$11.93 - \$16.13
51-9071	Jewel/Precious Stone/Metal Wrks	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* *
51-9081	Dental Lab Techs	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$33,635	\$11.47 - \$17.44
51-9082	Medical Appliance Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-9083	Ophthalmic Lab Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-9111	Packagng/Fillng Machn Oprs/Tendrs	1,500	1,540	40	2.7%	10	30	40	Short-term on-the-job training	\$25,882	\$10.29 - \$14.66
51-9121	Coat/Paint/Spray Mchn Set/Op/Tndrs	510	540	30	5.9%	<5	10	10	Moderate-term on-the-job training	\$33,190	\$12.80 - \$18.44
51-9122	Painters/Trans Equipment	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,969	\$14.45 - \$16.30
51-9123	Painting/Coating/Decorating Wrks	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$20,843	\$7.91 - \$10.86
51-9131	Photographic Process Wrks	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$18,765	\$7.60 - \$9.80
51-9132	Photographic Processng Mchn Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
51-9191	Cementng/Glung Mchn Oprs/Tendrs	80	80	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,364	\$10.63 - \$15.99
51-9192	Cln/Wash/Mtl Picklng Eqp Ops/Tndrs	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$28,671	\$11.73 - \$15.00
51-9193	Coolng/Freezng Eqpmnt Ops/Tendrs	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,896	\$12.27 - \$16.51
51-9194	Etchers/Engravers	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$35,460	\$14.18 - \$19.71
51-9195	Moldrs/Shaprs/Castrs/Ex Mtl/Plastic	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,938	\$12.01 - \$15.43
51-9196	Paper Gds Machn Settrs/Oprs/Tndrs	1,030	940	-90	-8.7%	<5	20	20	Moderate-term on-the-job training	\$34,052	\$14.85 - \$17.65

# Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-9198	Helpers--Production Wrks	1,530	1,480	-50	-3.3%	<5	40	40	Short-term on-the-job training	\$25,716	\$9.42 - \$14.51
51-9199	Production Wrks/All Other	950	850	-100	-10.5%	<5	20	20	Moderate-term on-the-job training	\$26,572	\$8.93 - \$16.33
<b>53-0000</b>	<b>Trans/Material Moving Occs</b>	19,330	21,960	2,630	13.6%	260	410	670		\$27,069	\$9.09 - \$16.25
53-1011	Aircraft Cargo Handling Supvrs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* *
53-1021	F-L Sups/Mgrs Help/Lab/Matrl Movrs	300	350	50	16.7%	10	10	20	Work exp. in a related occupation	\$39,192	\$13.88 - \$22.90
53-1031	F-L Sups/Mgrs Trans/Matrl-Mov Oprs	470	560	90	19.1%	10	10	20	Work exp. in a related occupation	\$45,803	\$16.99 - \$25.85
53-2011	Airline Pilots/Copilots/Flight Enginrs	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
53-2012	Commercial Pilots	10	10	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$47,154	
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
53-3011	Ambulance Drivers/Atts/Ex EMTs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
53-3021	Bus Drivers/Transit/Intercity	180	200	20	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$22,302	\$7.40 - \$14.19
53-3022	Bus Drivers/School	860	1,090	230	26.7%	20	20	40	Short-term on-the-job training	\$20,846	\$7.64 - \$11.40
53-3031	Driver/Sales Wrks	460	480	20	4.3%	<5	10	10	Short-term on-the-job training	\$27,112	\$10.04 - \$16.08
53-3032	Truck Drivers/Heavy/Tractor-Trailer	5,350	6,540	1,190	22.2%	120	90	210	Moderate-term on-the-job training	\$35,004	\$13.37 - \$19.91
53-3033	Truck Drivers/Light or Delivery Srvc	2,010	2,440	430	21.4%	40	20	60	Short-term on-the-job training	\$25,308	\$9.05 - \$14.66
53-3041	Taxi Drivers and Chauffeurs	240	300	60	25.0%	10	<5	10	Short-term on-the-job training	\$18,920	\$7.71 - \$10.03
53-3099	Motor Vehicle Oprs/All Other	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$18,696	\$6.51 - \$9.93
53-4099	Rail Trans Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
53-5011	Sailors and Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
53-5021	Cptns/Mates/Pilots of Watr Vessels	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* *
53-5022	Motorboat Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
53-6011 <sup>(8)</sup>	Bridge and Lock Tenders	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	* *
53-6021	Parking Lot Attendants	100	100	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$19,244	\$7.74 - \$10.43
53-6031	Service Station Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
53-6041 <sup>(8)</sup>	Traffic Techs	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	* *
53-6051	Transportation Inspectors	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$45,617	\$10.67 - \$35.55
53-6099 <sup>(8)</sup>	Trans Wrks/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
53-7011	Conveyor Oprs and Tenders	100	110	10	10.0%	<5	<5	<5	Short-term on-the-job training	\$27,414	\$10.20 - \$16.06
53-7021	Crane and Tower Oprs	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$40,660	\$15.89 - \$22.72
53-7031	Dredge Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
53-7032	Excvtng/Loadng Mchn/Dragline Oprs	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,072	\$13.49 - \$17.89
53-7033	Loadng Mchn Oprs/Undrgrnd Mining	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *

### Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-7041	Hoist and Winch Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
53-7051	Industrial Truck/Tractor Oprs	1,750	1,890	140	8.0%	10	30	40	Short-term on-the-job training	\$27,388	\$10.86 - \$15.47
53-7061	Cleaners of Vehicles/Equipment	460	500	40	8.7%	<5	20	20	Short-term on-the-job training	\$18,744	\$6.77 - \$10.83
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	3,690	3,710	20	0.5%	<5	120	120	Short-term on-the-job training	\$22,439	\$8.36 - \$12.73
53-7063	Machn Feeders/Offbearers	780	810	30	3.8%	<5	20	20	Short-term on-the-job training	\$19,904	\$8.09 - \$10.57
53-7064	Packers/Packagers/Hand	1,800	2,040	240	13.3%	20	30	50	Short-term on-the-job training	\$17,802	\$6.73 - \$9.84
53-7072	Pump Oprs/Ex Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
53-7081	Refuse/Recyclable Mtrl Collectors	150	170	20	13.3%	<5	<5	<5	Short-term on-the-job training	\$22,396	\$8.01 - \$12.82
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
53-7199	Material Moving Wrkrs/All Other	130	110	-20	-15.4%	<5	<5	<5	Short-term on-the-job training	\$31,009	\$8.57 - \$19.73



## Occupation Projections for North Central Wisconsin Workforce Development Area 2002-2012

### Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed, unpaid family workers, or railroad employees.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Typical Education and Training Path gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.  
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.  
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.  
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.  
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.  
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.  
Associate Degree: This degree requires two years of full-time academic work beyond high school.  
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.  
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.  
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.  
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.  
Bachelor's or higher degree, plus work experience: This requires a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation. Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.  
47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.  
51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.  
51-9199 includes employment for 51-9141. Education/training and wages are shown individually, if available.  
53-6099 includes employment for 53-2022, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common for the occupation of registered nurse.

\* Data is suppressed to preserve the confidentiality of employers. Some occupations with all suppressed data deleted.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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